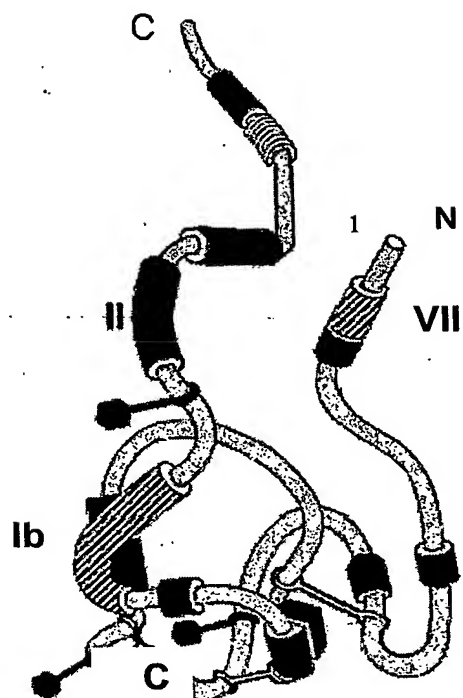
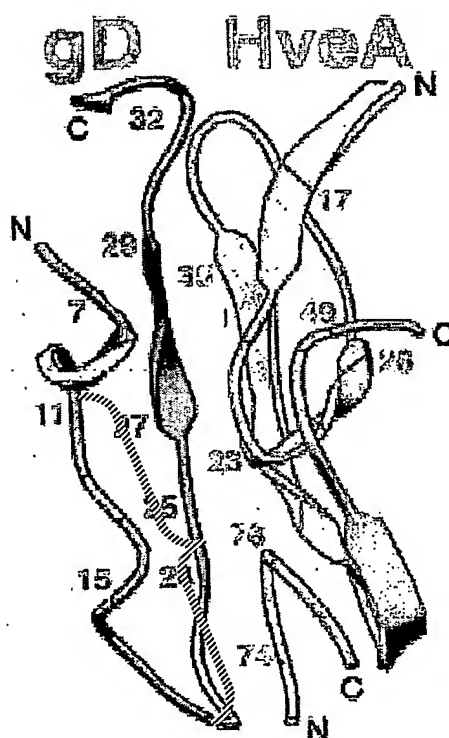


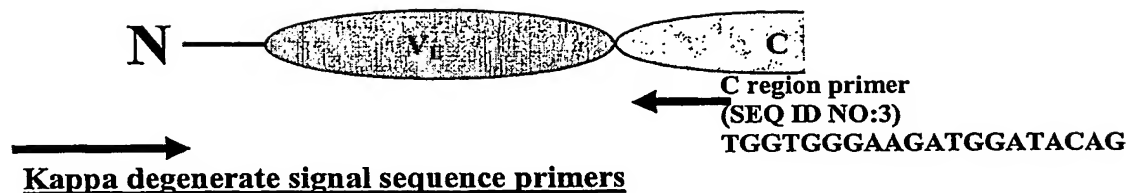
1A



1B



FIGs. 1A-1B

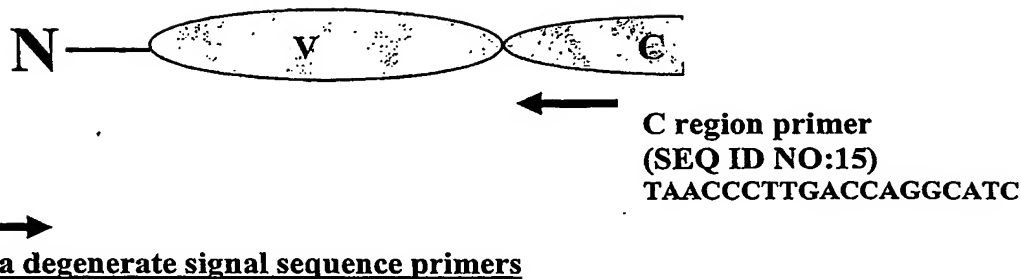


Kappa 1	GGTGATATCGTGATRACMCARGATGAACTCTC (SEQ ID NO:4)
Kappa 2	GGTGATATCWTGMTGACCCAAWCTCCACTCTC (SEQ ID NO:5)
Kappa 3	GGTGATATCGTKCTCACYCARTCTCCAGCAAT (SEQ ID NO:6)
Kappa 4	CTGWTGTTCTGGATTCCTG (SEQ ID NO:7)
Kappa 5	GTGCTCTGGATTCGGGAA (SEQ ID NO:8)
Kappa 6	TCAGCTTCYTGCTAATCAGTG (SEQ ID NO:9)
Kappa 7	TGGGTATCTGGTRCSTGTG (SEQ ID NO:10)
Kappa 8	GTTTCMAGGTRCCAGATGT (SEQ ID NO:11)
Kappa 9	TGTTTTCAAGGTRCCAGATGT (SEQ ID NO:12)
Kappa 10	CTSTGGTTGTCTGGTGTTGA (SEQ ID NO:13)
Kappa 11	TGCTKCKCTGGGTTCCAG (SEQ ID NO:14)

R=A+G; M=A+C; W=A+T; K=G+T; S=G+C; Y=C+T; H=A+T+C; B=G+T+C; D=G+A+T;

N=A+C+G+T; V=G+A+C

FIG. 2A



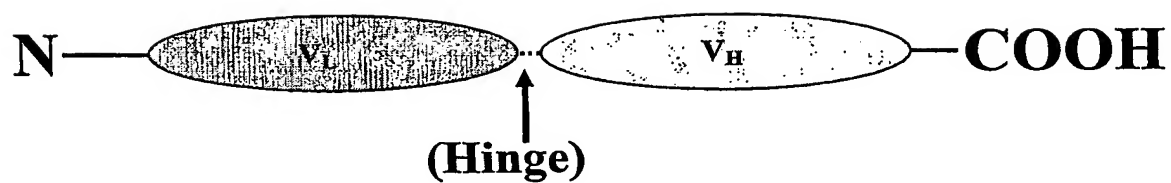
Gamma 1	GAGGTGAAGCTGCAGGAGTCAGGACCTAGCCTGGTG (SEQ ID NO:16)
Gamma 2	AGGTVMAACTGCAGVAGTCWGG (SEQ ID NO:17)
Gamma 3	AGGTVVAGCTGCAGVAGTCWGG (SEQ ID NO:18)
Gamma 4	ACTGCAGGTRTCCACTCC (SEQ ID NO:19)
Gamma 5	RCTACAGGTGTCCACTCC (SEQ ID NO:20)
Gamma 6	GCYACAGMTGTCCACTCC (SEQ ID NO:21)
Gamma 7	ACTGCAGGTGTCCTCTCT (SEQ ID NO:22)
Gamma 8	RCTRCAGGYGTCCACTCT (SEQ ID NO:23)
Gamma 9	CCAAGCTGTGTCCTRTCC (SEQ ID NO:24)
Gamma 10	CCAAGCTGTGTCCTRTCC (SEQ ID NO:25)
Gamma 11	TGTTGACAGYCVTT CCKGGT (SEQ ID NO:26)
Gamma 12	TAYTTTAAAARGTGTCMAGTGT (SEQ ID NO:27)
Gamma 13	CTYTTAAAAGGKGTCCAGWG (SEQ ID NO:28)
Gamma 14	CYTTTAMATGGTATCCAGTGT (SEQ ID NO:29)
Gamma 15	ATGGCAGCWGCYCAAAG (SEQ ID NO:30)
Gamma 16	CTTTTAAAAGWTGTCCAGKGT (SEQ ID NO:31)
Gamma 17	CTTCCTGATGGCAGTGGTT (SEQ ID NO:32)

R=A+G; M=A+C; W=A+T; K=G+T; S=G+C; Y=C+T; H=A+T+C; B=G+T+C; D=G+A+T;

N=A+C+G+T; V=G+A+C

FIG. 2B

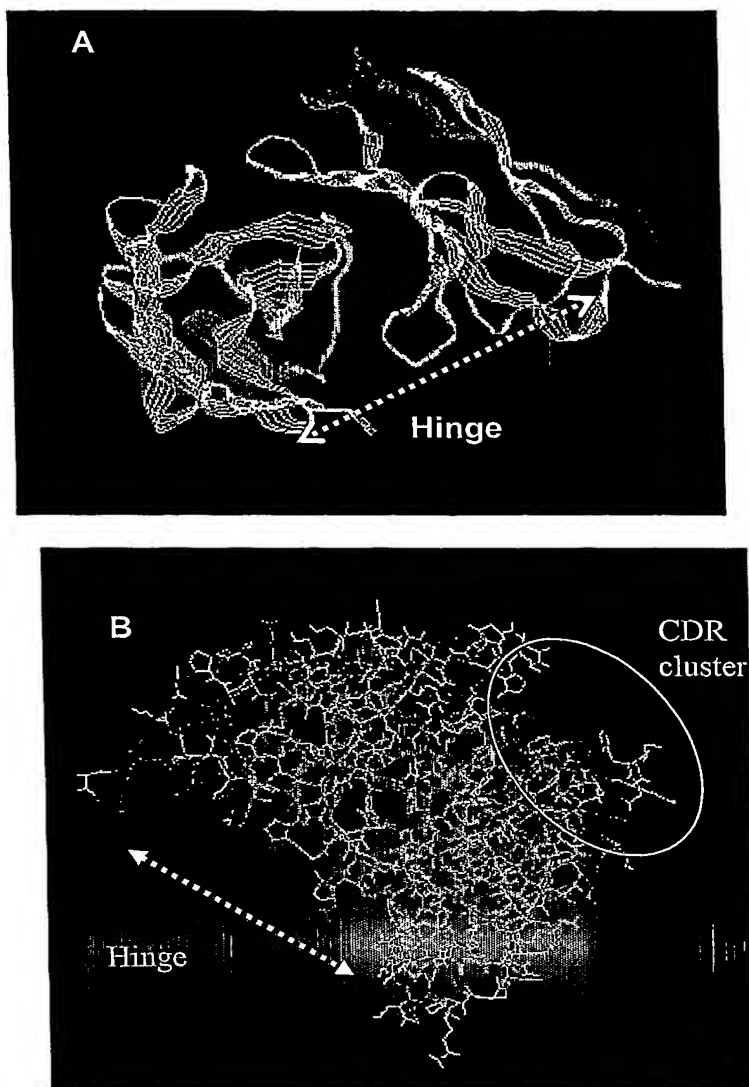
2C



2D



FIGs. 2C-2D



FIGs. 3A-3B

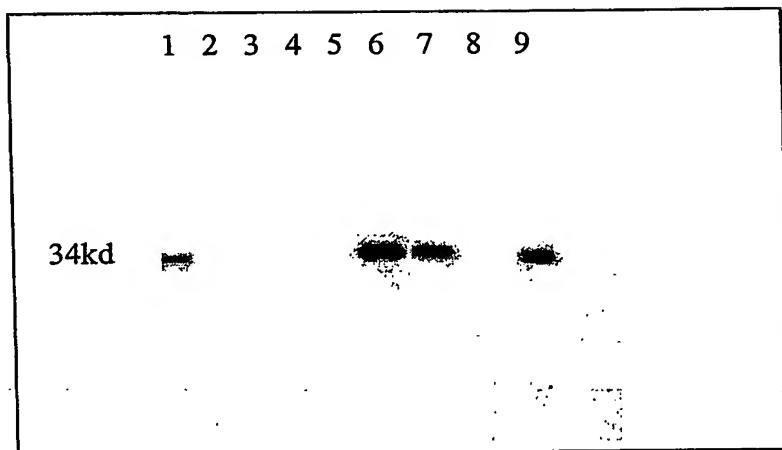
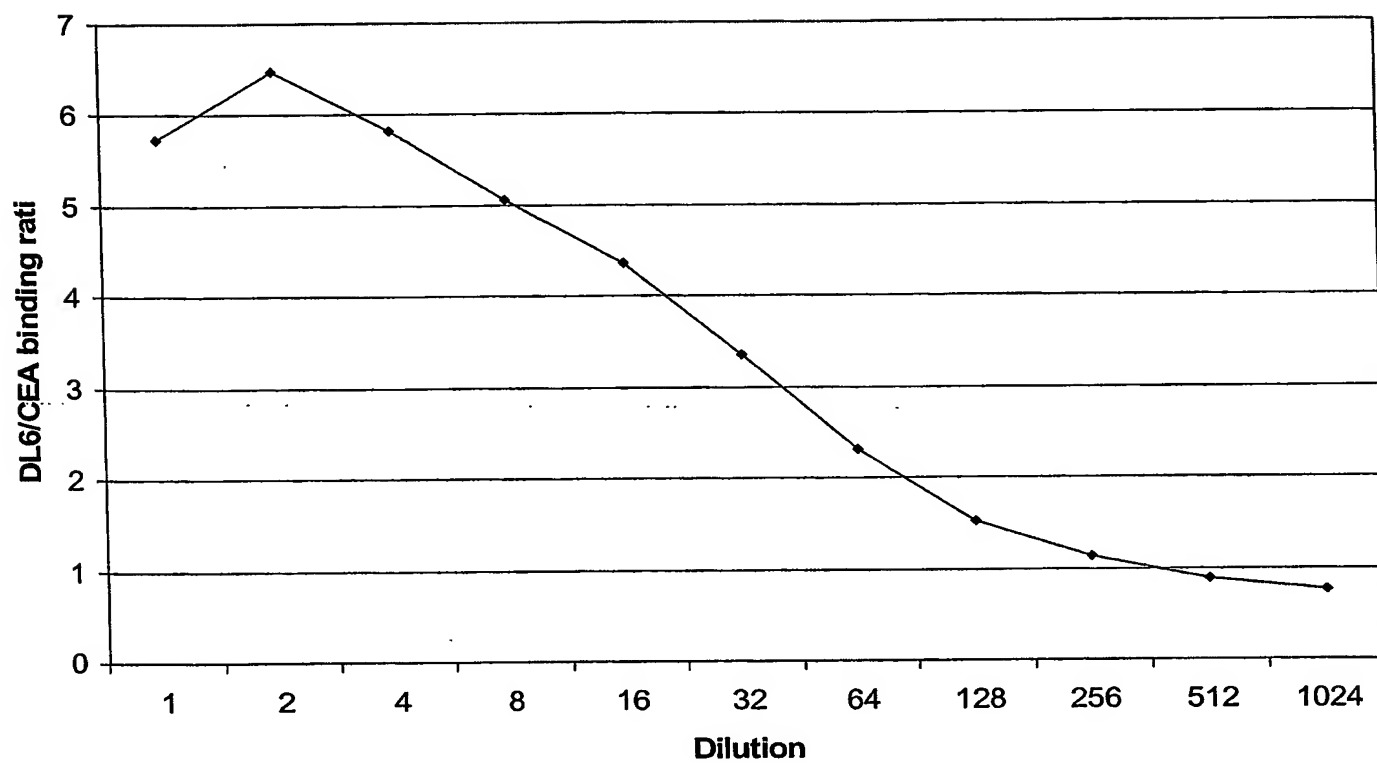
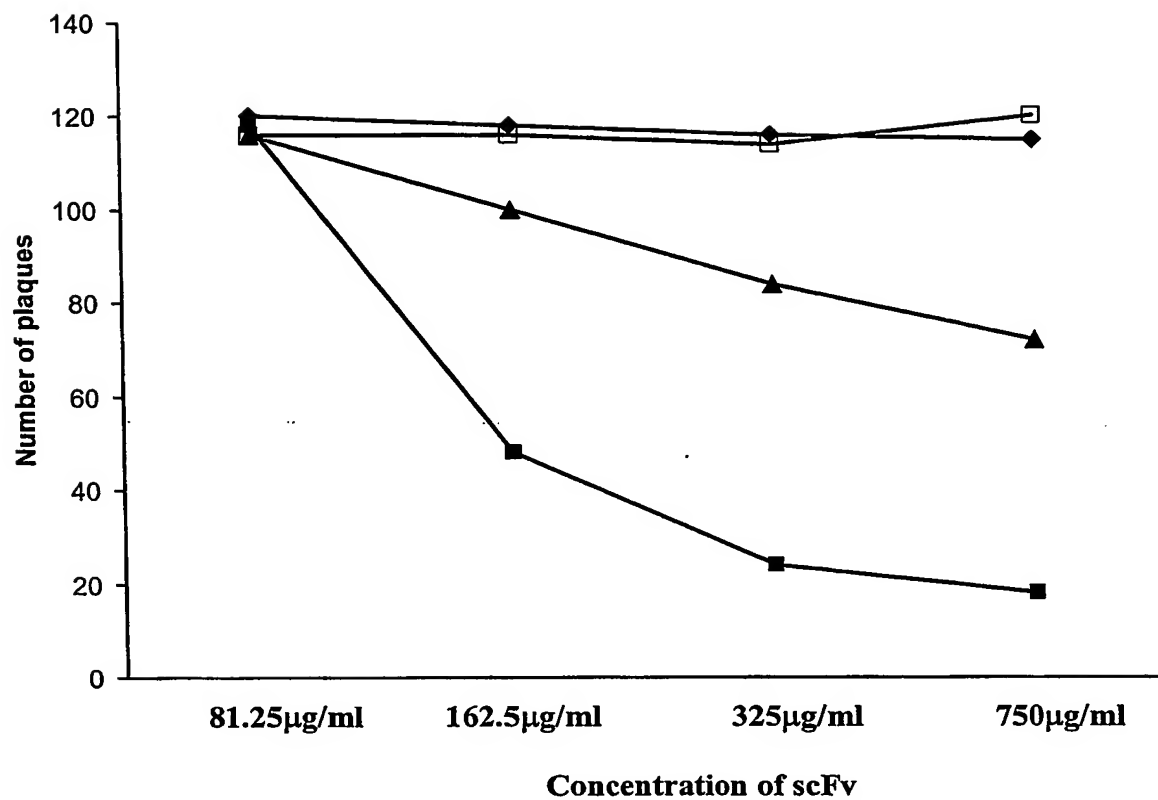
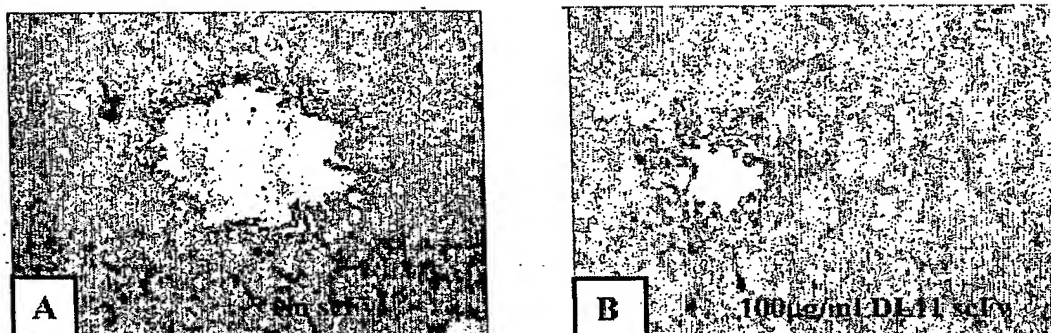


FIG. 4

**FIG. 5**

**FIG. 6**



FIGs. 7A-7B



FIGs. 8A-8B

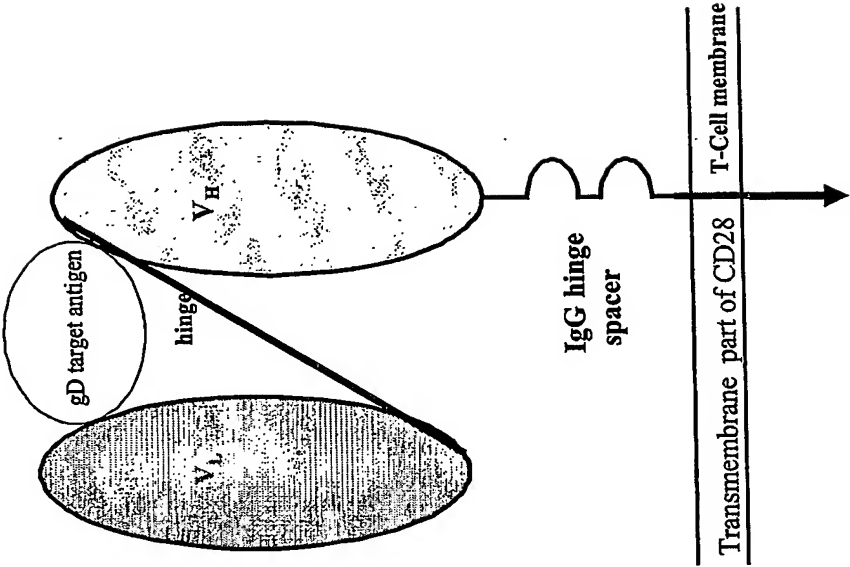


FIG. 9

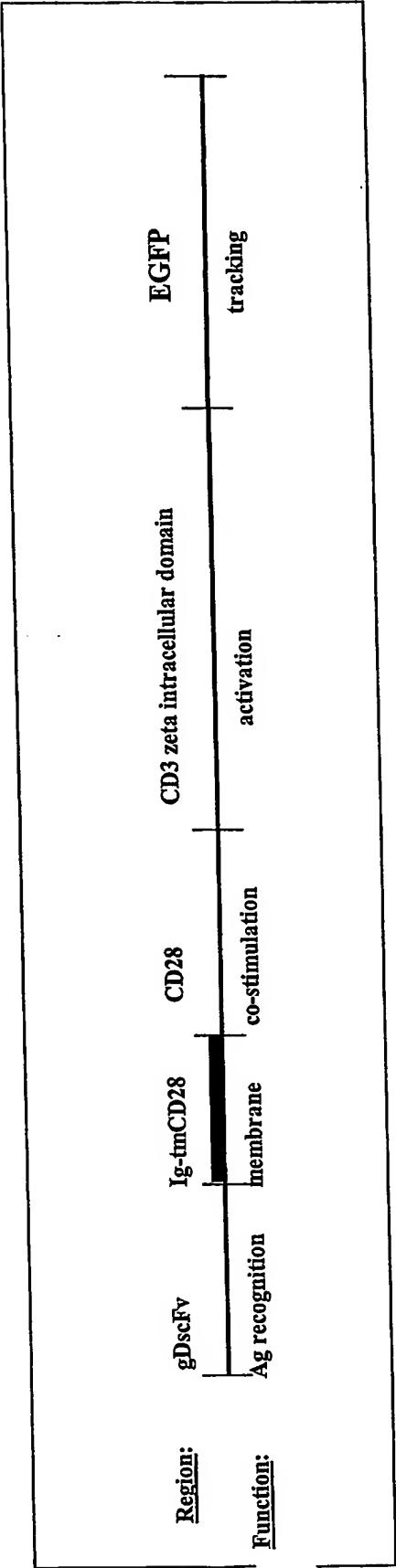
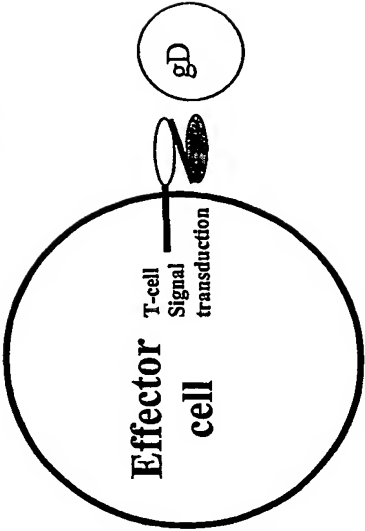


FIG. 10

T-body schematic



Transduced human PBLs

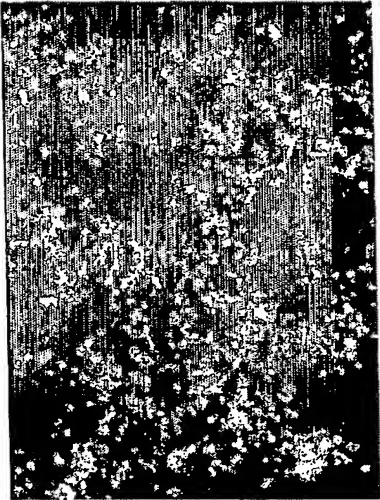


FIG. 11

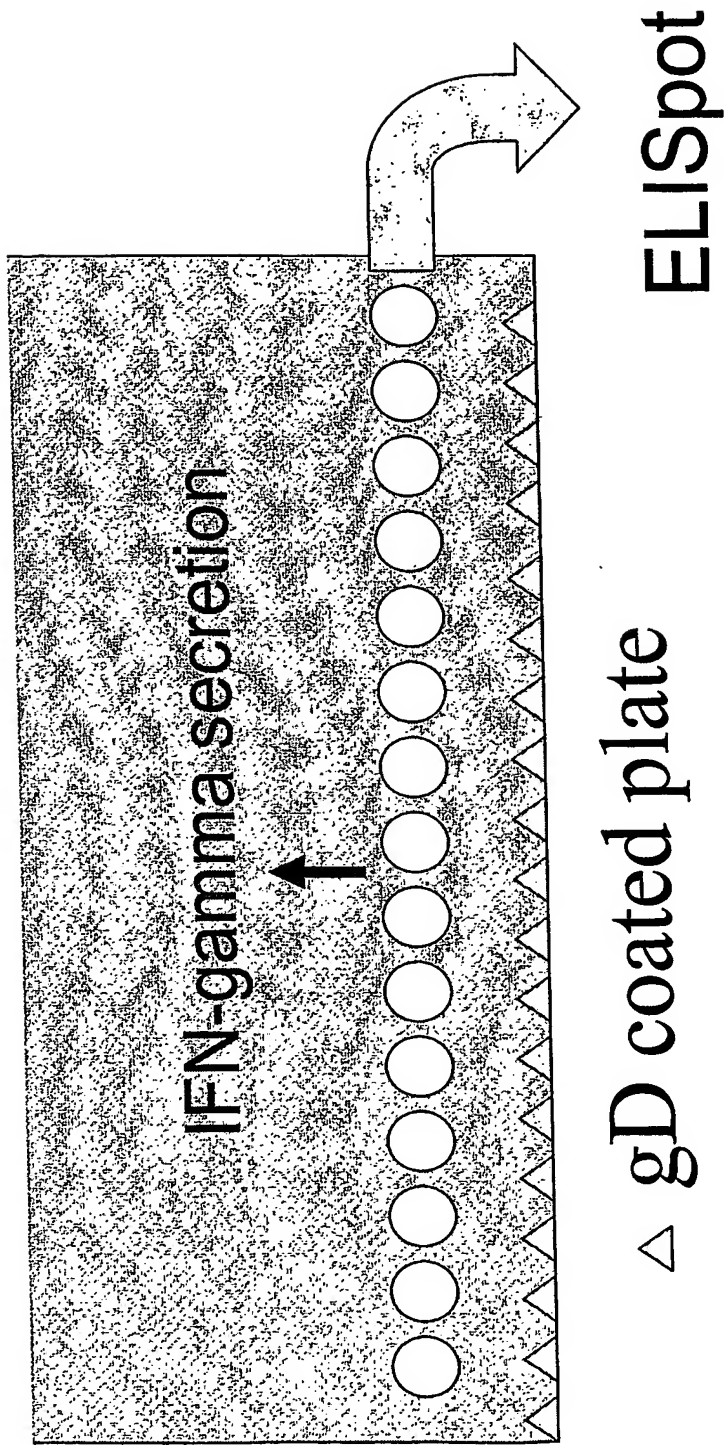


FIG. 12